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9th ANNUAL TECHNOLOGY CONFERENCE

"Investigation, Measures, and Lessons Learned About the Relationship Between CMMI Process Capability and Project or Program Performance"

Denver, CO

16 - 19 November 2009

Agenda

Tuesday, November 17, 2009

EXECUTIVE PANEL

Moderator: Mr. Bob Rassa, Director, Engineering Programs, Raytheon Company

- Mr. Mike Twyman, VP of the Integrated Command and Control Business Unit, Northrop Grumman Corp.
- Mr. David J. Tyler, Sr. Manager, IIS Enterprise Process Effectiveness, Raytheon Company
- Mr. Wesley Covell, President of Defense Programs, Harris Corp.
- Ms. Lynn Penn, Director of Process Management, Lockheed Martin Corporation
- Mr. Girish Seshagiri, CEO, Advanced Information Services, Inc.

LUNCHEON SPEAKER:

- Mr. Hal Wilson, Director, Engineering Defense Systems Division, Northrop Grumman Information Systems

Concurrent Sessions

TRACK 1- GRAND MESA D/E- CMMI AND PROCESS IMPROVEMENT

Session Chair: Mr. Jack Ferguson, Software Engineering Institute

- 9386 - CMMI for Large Scale/Systems of Systems Engineering Projects, Mr. Patrick McCusker, Booz Allen Hamilton
- Making the CMMI Sing - A Framework for Performance Excellence, Mr. Jeff Dutton, Jacobs Technology, Inc
- 9312 - CMMI in a Small Company: The Cobbler's Children Can Have Shoes (And Best Practices_, Mr. Michael Knox, TECHSOFT, Inc

TRACK 2 - GRAND MESA F - PRACTICAL GUIDANCE

Session Chair: Mr. Gene Miluk, Software Engineering Institute

- 9179 - Work On Your Engineering Business, Not In It, Mr. Rolf Reitzig, Cognence, Inc
- Process-Performance Base Reliability, Mr. William Winkel, Northrop Grumman Corporation
- 9391 - Choices to be Made in CMMI Adoption, Dr. Rick Hefner, Northrop Grumman Corporation
- 9298 - Assurance for CMMI: A Toolbox for Multiple Cyber Challenges, Mrs. Michele Moss, Booz Allen Hamilton

TRACK 3 - HIGHLANDS- CMMI ECONOMICS & BUSINESS VALUE

Session Chair: Mr. Geoff Draper, Harris Corporation & Mr. Bob Ferguson, Software Engineering Institute

- 9147 - Dynamic Program Schedule, Cost and Returns Analysis, Mr. Phillip Fahringer, Lockheed Martin Corporation
- 9184 - The Economics of CMMI, Mr. Mick Campo, Raytheon Company
- 9185 - CMMI Economics 101: CMMI for Executives, Mr. Geoff Draper, Harris Corporation

TRACK 4 - CHASM CREEK - HIGH MATURITY

Session Chair: Mr. Dennis Goldensen, Software Engineering Institute & Mr. Fred Schenker, Software Engineering Institute

- 9146 - Goal Question - Model, Mr. Michael Campo, Raytheon Company
- 9389 - Marking CMMI Level 5 Statistical Principles Palatable to an Employee-Wide Demographic, Ms. Deepti Sharma, OST
- 9116 - Changing Behavior: The Key to Adoption Complex Process Technology, Dr. Gene Miluk, SEI
- 9401 - Achieving Quality QPPO via Effective Usage of PPBs and PPMs, Dr. Bin Cong, CRS

TRACK 5 - MESA VERDE - CMMI GOVERNMENT & ACQUISITION

Session Chair: Ms. Lorraine Adams, Software Engineering Institute & Mr. Mike Phillips, Software Engineering Institute

- 8806 - Benefits to the Evolution of High Maturity Software Development: A 15 Year Case Study, Mr. Daniel Drew, United Space Alliance
- 9306 - Directive Documents and ITAR Made Easy, Mr. Kenneth Weinberg, Raytheon Corporation
- 8907 - How CMMI was Used for Process Improvement in the Support of Government-Wide Acquisition Contract (GWAC) Vehicles, Mrs. Sharon Cobb, Flanagan, SAIC
- 9403 - Tailoring CMMI for an Enterprise Resource Planning COTS Software Environment, Ms. Alison L. Schwier, U.S. Army

TRACK 6 - WIND RIVER - APPRAISALS

Session Chair: Mr. Ken Nidiffer, Software Engineering Institute & Mr. Kenneth Weinberg, Raytheon Corporation

- 9398 - Hocus Pocus, What's With All the Issues About Non-Focus?, Mr. Paul Byrnes, Integrated Systems Diagnostics, Inc.
- 9136 - Making the Most of GP3.2, Ms Susan Byrnes, Natural SPI, Inc
- 9130 - Supporting the High Maturity Process Improvement and Understanding the Application SCAMPISM Method To It., Mr. Kobi Vidar, K.V.P. Consulting
- 9385 - Reducing the Cost and Increasing the Value of CMMI Re-Appraisals, Mrs. Beth Layman, Layman and Layman

TRACK 7 - WIND STAR - CMMI V1.3 TOPIC & CMMI-SVCS, LEAN

Session Chair: Ms. Susan Bassham, U.S. Army Aviation & Missile Command

- CMMI V1.3 - From the Past to the Future, Mr. Mike Philllips, Software Engineering Institute
- 9167 - Lessons Learned Piloting the CMMI for Services, Ms. Diane Mizukami (Williams), Northrop Grumman Information Systems
- 9126 - CMMI for Services: An Approach to Improve Your Program Management Office, Ms. Patricia Mitryk, Cognence, Inc
- 9299 - Creatively Apply CMMI SVC in a Very Small Consulting Firm, Mr. Bill Smith, Leading Edge Process Consultants

Wednesday, November 18, 2009

Concurrent Sessions

TRACK 1 - GRAND MESA D/E - CMMI AND PROCESS IMPROVEMENT

Session Chair: Mr. Jack Ferguson, Software Engineering Institute

- 9304 - Sustainment and Continued Institutionalization of Best Practices and CMMI at SPAWAR, Mr. Michael Kutch, Space & Naval Warfare Systems Center - Atlantic
- 9178 - CMMI Process Improvement, Its not a technical Problem, It's a People Problem!, Mr. Rolf Reitzig, Cognence, Inc
- 9106 - The Uses of the Peer Review beyond CMMI, Mr. Paul Nugent, General Dynamics Corporation
- 9246 - Integrating Corporate Goals and Processes Using the Engineering Lifecycle Vee Model, Dr. Keven Forsberg, The Center for Systems Management
- 9379 - NAVAIR's Process Asset Library (PAL), A Step Toward A Corporate Organizational Set of Standard Processes (OSSP), Ms. Judy Overhauser-Duett, NAVAIR
- 9153 - After 13 years, I have learned …. Tools do not solve your problems, Mr. John Bethmann, Concurrent Technologies Corporation.
- 9387 - 10.5 Process Improvement, Mistakes From Top Executives?, Mr. Carlos Caram, CSD Brasil
- 9144 - Transitioning From a CMMI Implementer to an Appraiser, Mr. Warren Scheinin, Northrop Grumman Corporation

TRACK 2 - GRAND MESA F -PRACTICAL GUIDANCE

Session Chair: Mr. Gene Miluk, Software Engineering Institute

- 9138 - High Velocity Performance Improvement, Mr. Jeff Dutton Jacobs Technology, Inc
- 9202 - Statistical Tune-Up of the Peer Review Process, Mr. Tom Lienhard, Raytheon Missile Systems
- Everything You Wanted to Know About CMMI and Six Sigma but Did Not Know Who to Ask, Tom Lienhard, Raytheon Missile System
- 9275 - CMMI® in the Social Media (For the Social Media-Challenged!), Mr. Bill Smith, Leading Edge Process Consultants
- 9214 - Hi, my name is Root Cause Analysis. Have we met?, Mr. Craig Hale, Esterline Control Systems - AVISTA
- 8787 - Improving Process Institutionalization Through Process Training, Ms. Ellen Chilikas, Raytheon Company
- 9291 - "You Say Tomato, I Say Eggplant: Comparing Process References for Systems Engineers and Project Managers in a CMMI®-Compliant Organization", Mr. Peter Henry, BAE Systems
- 9354 - Strategies for Process Definition and Deployment Part 1, Mr. Fred Schenker, SEI
- Strategies for Process Definition and Deployment Part 2 , Mr. Fred Schenker, SEI
- Shrinking the Elephant: If Implementing CMMI Practices Looks Like More Effort than it's Worth, Let'/s Look Again, Sam Fogle, ACE Guides, LLC

TRACK 3 - HIGHLANDS - CMMI® ECONOMICS & BUSINESS VALUE

Session Chair: Mr. Geoff Draper, Harris Corporation & Mr. Bob Ferguson, Software Engineering Institute

- 9213 - QPMing Your SEPG, Mr. Craig Hale, Esterline Control Systems - AVISTA
- 9223 - We're Already There: Matching Existing High Maturity Behaviors to the CMMI® Model, Mr. Bradley Bittorf Raytheon Company
- 9190 - CMMI® Economics 501: High Maturity, Mr. Mike Campo, Raytheon Company
- 9378 - Using Corporate Finance Principles to Easily Determine Return on Investment (ROI), Ms. Deepti Sharma, OST
- 8909 - Consistency in Quality Assessments, Mrs. Debra Perry, Harris Corporation
- 8871 - MSI Execution: Change Happens, How to Deal with It, Ms. Jill Brooks, Raytheon Company
- 9177 - Lessons Learned Using Earned Value Management System to Track Effort and Schedule Weekly at the Individual and Team Level and Be Able to Detect a One-Day Schedule Slip, Mr. Girish Seshagiri, Advanced Information Services Inc.
- 9188 - CMMI Economics 203: Model Tailoring, Mr. Jeff Dutton, Jacob Technologies, Inc

TRACK 4 - CHASM CREEK - HIGH MATURITY

Session Chair: Mr. Dennis Goldenson, Software Engineering Institute & Mr. Fred Schenker, Software Engineering Institute

- 9217 - A Taxonomy of CMMI® High Maturity Performance Models, Dr. Richard Welch, Northrop Grumman Corporation

- 9245 - The Selection and Deployment of a Standard COTS Monte Carlo Software Tool, Mr. Fred Oleson, BAE Systems, Inc.
- 9232 - Piloting a Hybrid Requirements Engineering Process for Translating Qualitative Information into Quantitative Performance Measures, Mr. Dennis Goldenson, SE
- 9168 - How I Created Our Peer Review Baselines and Models, Ms. Diane Mizukami (Williams), Northrop Grumman Information Systems
- 9216 - ABCs of Process Performance Models, Dr. Richard Welch, Northrop Grumman Corporation
- 9294 - Using Hidden Markov Models as a Statistical Process Control Technique: An Example from a ML 5 Organization, Mr. Robert Moore, Business Transformation Institute, Inc.
- 9407 - Multi-Attribute Modeling and Practical Use, Mr. David Sobetski, General Dynamics Land Systems
- 9390 - Discrete Event Simulation for QPM – Can it really be that easy?, Ms. Deepti Sharma, OST

TRACK 5 -MESA VERDE - CMMI® GOVERNMENT & ACQUISITION

Session Chair: Ms. Lorraine Adams, Software Engineering Institute & Mr. Mike Phillips, Software Engineering Institute

- 0000 - Using CMMI® for Acquisition in Integration Organizations, Mr. Steve Kelley, Northrop Grumman Corporation
- 8741 - Leveraging CMMI® for Acquisition to Improve Organizational Workforce Performance, Dr. Kenneth Nidiffer, SEI
- 9301 - Improving Processes the NSA Way, Mr. Robert Moore, Business Transformation Institute, Inc
- 9114 - Implementing Requirements Management To Deliver Life Cycle Software Solutions That Ensure Warfighting Superiority and Information Dominance: How We Moved The Rock, Mr. Harlan Black, U.S. Army CECOM
- 8764 - Predicting Quality, Mr. Donald Beckett, Quantitative Software Mgt.
- 9326 - “Patience is a Virtue”- A Day in the Life of a SEPG Lead, Ms. Tammye Thornton, Department of Navy
- 9321 - Enterprise Architecting and the Incorporation of Early Systems Engineering Data Into the Leadership Decision Making Process During Concept Development, Mr. George Freeman, United States Air Force
- 9154 - Simplifying Lifecycle Definition Process, Mr. John Bethmann; Concurrent Technologies , Corp
- CMMI Economics 203: Model Tailoring, Mr. Jeffrey L. Dutton, NDIA Systems Engineering Division

TRACK 6 - WIND RIVER - APPRAISALS

Session Chair: Mr. Ken Nidiffer, Software Engineering Institute & Mr. Ken Weinberg, Raytheon Corporation

- 9371 - Appraisals and CMMI® Gotchas - Lessons in CMMI® Use and Appraisal Preparation, Mr. Neil Potter, The Process Group
- 9311 - Piloting Results-Based Appraisals, Mr. Larry McCarthy Global Software Group
- 9129 - Using the SCAMPI Method to lead CMMI® Multi-Constellations with Additional Standards Progress Check and Appraisal, Mr. Kobi Vidar, K.V.P. Consulting
- 9234 - A View from the Trenches: Practical Guidance for Appraisal Artifact Management, Mr. David Dickinson, Northrop Grummon Corporation
- 9287 - How to Prepare for a CMMI® SCAMPI A: Applying Agile Concepts to Save Time and Money, Ms. Michele Shaw. Fraunhofer Center, Maryland
- 9365 - Streamlining Processes and Appraisals, Mr. Gary Natwick, Harris Corporation
- 9189 - CMMI® Economics 202: Appraisals, Mr. Geoff Draper, Harris Corporation
- 9227 - The ABC’s of Class C, Class B, Class A’s: Metrics and Lessons Learned from Appraisal Event Scheduling, Mr. Bradley Bittorf, Raytheon Company

TRACK 7 - WIND STAR- CMMI® - SVCS, LEAN, SMSETTINGS, ETC.

Session Chair: Ms. Susan Bassham, U.S. Army Aviation & Missile Command

- 9396 - Applying the CMMI® for Services to the Process Group (Physician, Heal Thyself!), Dr. Rick Hefner, Northrop Grumman Corporation
- 9274 - An Overview of CMMI®-SVC for CMMI®-DEV Enthusiasts, Mr. Bill Smith, Leading Edge Process Consultants
- 9137 - ITIL V3.0 Compliance Benchmarking with CMMI-SVC SCAMPI A, Mr. Jeff Dutton, Jacobs Technology, Inc.
- 9397 - Strategies for Transitioning to CMMI-SVC, Dr. Rick Hefner, Northrop Grumman Corporation
- 9196 - Interpretation and Lesson Learned from High Maturity Implementation of CMMI-SVC, Mr. Kobi Picker, K.V.P. Consulting
- 9264 - Applying Lean Principles to the CMMI® for Services and ITIL, Mr. Tim Olson, Lean Solutions Institute, Inc.
- 9203 - How Rocket Scientist Implement High Maturity, Mr. Tom Lienhard, Raytheon Missile Systems

Thursday, November 19, 2009

NDIA Systems Engineering Division CMMI Working Group
CMMI v1.3 Planned Improvements

Concurrent Sessions

TRACK 1 - GRAND MESA D/E - CMMI® AND PROCESS IMPROVEMENT

Session Chair: Mr. Jack Ferguson, Software Engineering Institute

- 9313 - Mission Readiness Through Integrated Decision Making … BIM, BAM and POW!, Mr. James Watson, Facility Lifecycle Group Div. of MACTEC E & C
- 9165 - Make PIIDs Easy -- No Surprises!, Ms. Vicki Galanko, Lockheed Martin, IS&GS-Civil

TRACK 2 - GRAND MESA F- PRACTICAL GUIDANCE

Session Chair: Mr. Gene Miluk, Software Engineering Institute

- 9308- Post Merger Process Syndrome: Integrating & Refining Organizational , Processes, Mr. Michael Kutch, Space & Naval Warfare Systems Center - Atlantic

- 9141 - Tools and Implementation Strategies for Process Improvement via CMMI® for Comprehensive Software Lifecycle Management, Mrs. Denise Padilla, Sandia National Laboratories
- 9346 - Exploiting Decision to Requirements Traceability, Mr. John Fitch, SAIC
- Strategies for Process Definition and Deployment Part 2, Mr. Alfred Schenker, SEI

TRACK 3 - HIGHLANDS CMMI® ECONOMICS & BUSINESS VALUE

Session Chair: Mr. Geoff Draper, Harris Corporation & Mr. Bob Ferguson, Software Engineering Institute

- 9181 - Are You Doing R&D, or Catch-up & D? Are you Building Software, or Hopeware?, Mr. Rolf Reitzig, Cognence, Inc.
- 9283 - CMMI® Measurement and Metrics, Dr. Elliot Lynn, CECOM SEC
- 9324 - Measuring True Agility in Agile Software Development, Mr. Robert Moore, Business Transformation Institute, Inc.

TRACK 4 - CHASM CREEK- HIGH MATURITY

Session Chair: Mr. Dennis Goldenson, Software Engineering Institute & Mr. Fred Schenker, Software Engineering Institute

- 9143 - Using Moving Average Models to Predict Process Performance, Mr. Robert Tuthill, Northrop Grumman Corporation
- 9148 - Use of Monte Carlo Simulation for a Peer Review Process Performance Model, Ms. Emerald Russo, BAE Systems
- 9163 - Picking the Right Process Improvements, Mr. Joseph Vandeville, Northrop Grumman Corporation
- 9244 - Perspectives on Use and Organizational Impact of Measurement and Analytical Methods in CMMI® High Maturity Organizations, Dr. Dennis Goldenson, SEI

TRACK 5 - MESA VERDE - CMMI® GOVERNMENT & ACQUISITION

Session Chair: Ms. Lorraine Adams, Software Engineering Institute & Mr. Mike Phillips, Software Engineering Institute

- 9359 - Moving your Security, Business Continuity, and IT Activities to the Next Level with the CERT® Resiliency Management Model, Ms. Gibbie Lu Hart, SEI
- 9366 - Enjoy the Scenery on the Path to High Maturity Ms. Susan Bassham, U.S. Army Aviation and Missile Command
- 9211 - Transforming Your Way to Control Charts that Work, Mr. Richard Welch, Northrop Grumman Corporation
- 9292 - Systems Engineering Processes Improvement using the CMMI® in large System of Systems Space Programs, Ms. Revital Goldberg, Israel Aerospace Industries

TRACK 6 - WIND RIVER - APPRAISALS

Session Chair: Mr. Ken Nidiffer, Software Engineering Institute & Mr. Ken Weinberg, Raytheon Corporation

- 9373 - Lockheed Martin Aeronautics Appraisal Project Management Strategy, Ms. Pam Hudson, Lockheed Martin Aeronautics
- 9369 - Lockheed Martin Aero Standard Approach – A Strategy to Select Objective Evidence for the PIID, Mrs. Pam Hudson, Lockheed Martin Aeronautics
- 9187 - Level 5 the Hard Way – Persevering through Organizational Changes, Ms. Dorna Witkowski, Lockheed Martin Corporation
- 9383 - What? I Need to Create an Appraisal Database Containing Thousands of Artifacts! HELP!… Sensible PIID Strategies, Mr. Sam Fogle, ACE Guides, LLC

TRACK 7 - WIND STAR MULTI-MODELS

Session Chair: Ms. Susan Bassham, U.S. Army Aviation & Missile Command

- 9257 - The Next Step in Process Evolution: CMMI® and TSP/PSP, Mr. Jeffrey Schwalb, Naval Air Systems Command

  Panel - The Next Step In Process Evolution: CMMI and TSP/PSP
  1. Mr. Jeff Schwalb, NAVAIR
  2. Ms. Kathy Smith, EDS
  3. Mr. Girish Seshagiri, CEO, Advanced Information Services, Inc.
  4. Mr. Dave Webb, Hill AFB
- 9204 - Everything You Wanted to Know About CMMI® and Six Sigma but Did Not Know Who to Ask, Mr. Tom Lienhard, Raytheon Missile Systems
- How Rocket Scientist Implement High Maturity, Tom Lienhard, Raytheon Missile Systems
- 9266 - Rapidly Implementing Lean CMMI® Processes That Meet Business Needs, Mr. Tim Olson, Lean
- Solutions Institute, Inc.
- 9394 - Comparing Scrum and CMMI® How Can They Work Together Mr. Neil Potter, The Process Group

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